

Claim Amendments

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (currently amended): An insulating material piece for an electrical high-voltage device, comprising:

a mixture of first granules and second granules, said first granules defining first subvolumes and said second granules defining second subvolumes, said subvolumes being made of PTFE, said first granules having an increased electrical conductivity with respect to said second granules.

Claim 2 (previously presented): The insulating material piece as claimed in claim 1, wherein said mixture lies at least partially on the surface of the insulating material piece.

Claim 3 (previously presented): The insulating material piece as claimed in claim 1, wherein said first subvolumes are embedded in the said second subvolumes.

Claim 4 (cancelled).

Claim 5 (currently amended): A method for producing an insulating material piece for an electrical high-voltage device, the insulating material piece having at least one subvolume which is treated so as to change its conductivity, the method comprising:

providing first granules and second granules, the first granules defining first subvolumes and the second granules defining second subvolumes, said subvolumes being made of PTFE;

treating the first granules for providing an increased electrical conductivity thereof with respect to said second granules;

mixing the treated first granules with the untreated second granules; and

shaping the mixture so as to produce an insulating material piece.

Claim 6 (previously presented): The method as claimed in claim 5, wherein the mixture is sintered.

Claim 7 (currently amended): The method as claimed in claim 5, wherein the treating step is treatment with ~~high energy~~ radiation.

Claim 8 (currently amended): The method as claimed in claim 7, wherein the ~~high energy~~ radiation is alpha, beta, or gamma radiation.

Claim 9 (previously presented): The insulating material piece as claimed in claim 1, wherein the electrical high-voltage device is a high voltage power breaker.